Bruhath Bangalore Mahanagara Palike

Office of the Executive Engineer
Electrical Division, Yelahanka Zone
Bruhath Bengaluru Mahanagara Palike

"Schedule-B"

Detailed Estimate for Repairs to the Panel board and Shifting of High Mast in Byatarayanapura Constituency

Sl No	Qty	Description Of Work	Unit	Approved Rates		Amount
				In figures	In Words	
		Foundation Work: KPWD Civil SR 2013-14				
1	13.13	KSRB 2-1.1 : Earthwork in excavation for foundation of structures as per drawing and technical spcifications, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sided and bottom and backfilling with approved material complete as per specifications I.Ordinary soil - A Manual Means (i) Depth upto 3m MORTH Specification No.304. {Pg No.221 I.No. 27.1}	Cum	80.95	Rupees Eighty and Ninty Nine Paise only	1062.82
2	0.46	KSRB 4-1.3: Providing and laying in position plain cement concrete mix M7.5 with OPC cement @ 180kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggreagtes @ 0.57cum machine mixed concrete laid in layers not exceeding 15cms thick well compacted in foundation and plinth including cost of all materials labour HOM of machinery curing complete as per specifications. Specification No.KBS 4.1, 4.2 (PWDSR 2012-13 Pg No-12, Item No-4.3)	Cum	3812.82	Rupees Three Thousand Eight Hundred Twelve and Eighty Two Paise only	1753.90
3	3.29	KSRB 4.2.8 : Providing and laying in position **reinforced cement concrete of design mix M20** with OPC cementb@ 320kgs with 20mm and down size graded granite metal coarse aggregates @ 0.69cum and fine aggregates @ 0.46cum with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008 machine mixed concrete laid in layers not exceeding 15 cms thick, vibrated for R.C.C.beams, columns of all sizes in foundation plinth and superstructure ground floor level for roof slabs, staircase, lintels, columns, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications.(excluding cost of steel, fabrication & plastering)Specification No. KBS 4.1, 4.6 (PWD SR 2011-12 Page no-15, Item No.4.17)	Cum	5142.06	Rupees Five Thousand One Hundred Forty Two and Six Paise only	16917.38
4	1.48	KSRB 4.9.2 : Providing TMT steel reinforcement for R.C.C. work including straightening,cutting, bending, hooking, placing in position, lapping and / or welding wherever required,tying with binding wire and anchoring to the adjoining members wherever necessary complete,as per design (laps, hooks and wastage shall not be measured and paid) cost of all materials,labour, HOM of machineries complete as per specifications. Specification No.KBS 4.6.3 (PWDSR 2012-13 Page no-19, Item No-4.46)	Qtl	6781.00	Rupees Five Thousand One Hundred Forty Two and Six Paise only	10035.88
5	10.18	KSRB 4-6.5: Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square/ rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2 (PWDSR 2012-13 Page no-17, Item No-4.32)	Sqm	298.92	Rupees Two Hundred Ninty Eight and Ninty Two Paise only	3043.01
6	6.00	Supplying High pressure ..... Metal halide flood light luminary suitable for use with high pressure metal halide lamp with integrated control gear. The fitting shall be non corrosive high pressure die cast aluminum housing powder coated with toughened and heat resistant glass with low copper content black/grey powder coated paint finish with EPDM gasket. Reflector shall be made of high purity pre-anodized aluminum. Cable entry through a cable gland with toggle clips. IP 65 protection for both and optical and electrical compartment. Bottom cover may be with polycarbonate / tempered / toughened glass. Luminaire efficiency should be > 60% and ambient temperature > 35 deg C. High intensity discharge Electro magnetic ballast with copper winding of Octocyclic winding coil. Class H insulated dual coated copper wire. Compliance to IEC 61347-2-9 Safety and IEC 60923- performance. Winding temperature for HID ballast tw = 130 deg C and temperature rise ?T - 70 deg C. Luminaire shall be suitable to operate on 230/250Volts 50Hz AC supply finish including wiring, ignitor, condenser. SS Toggles for opening front hingeable glass, prewired to terminal block. 4.18.3) 400Watts	Each	10311.00	Rupees Ten Thousand Three Hundred and Eleven only	61866.00

7		Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.				
	45	7.4.5. 3.5 core 25 sqmm	P/Mtr	165.60	Rupees One Hundred and Sixty Five and Sixty Paise only	7452.00
8		Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.On wall /Structure In existing trench/duct				
	45	7.8.2. 25 sqmm to 75 sqmm	P/Mtr	16.20	Rupees One Hundred and Sixty Five and Sixty Paise only	729.00
9	30	Digging of trench of 0.6m deep x 0.50 mtr wide refiling the trench to the required ground level and consolidating etc., Complete. (As per Civil SR KSRB 1-2, P-7)b. In soil (ordinary)	P/Mtr	78.00	Rupees Seventy Eight only	2340.00
10	1	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947 100-125Amps	Each	9915.00	Rupees NineThousand Nine Hundred and Fifteen only	9915.00
11	12000	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete.14 SWG	Sq cm	0.37	Rupees Zero and Thirty Seven Paise only	4440.00
12	1	Supplying and fixing Microprocessor based Astronomical timer Switch with using necessary bolts, nuts and washers.	Each	4586.00	Rupees Four Thousand Five Hundred and Eighty Six only	4586.00
13	6	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. And M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint..40x40x6mm.	Mtr	263.00	Rupees Two Hundred and Sixty Three only	1578.00
14	3	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers .100 Amps	Each	360.00	Rupees Three Hundred and Sixty only	1080.00
15	1	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipments on the meter board using 40mm dia 2.90 thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proprotion of salt and charcoal 150mm alround the pipe to complete depth. the connection form the pipe to the conduit etc, is to be established through GI wire of size as oer ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and checknuts etc, the pipe shall have 16 through holes of 12mm dia.	Each	2727.00	Rupees Two Thousand Seven Hundred and Twenty Seven only	2727.00
16	1	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV calss UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. 25 Sqmm	Each	362.00	Rupees Three Hundred and Sixty Two only	362.00
17	3	Material Components for Anchor Plates (IS 2062) Sl no 423, code no 0712, Page No XV,	Each	235.00	Rupees Two Hundred and Thirty Five only	705.00
18	10	Material Component Steel wire Rope 40 mm Sl no 258, code no 0958, Page No IX,	kgs	52.00	Rupees Fifty Two only	520.00
19	6	Fixing halogen/metal halide/SVL/IL /LED floodlight fitting over existing pole/wall ceiling including clamps .bolts .nuts and wiring using suitable capacity wires complete .	Each	176.00	Rupees One Hundred and Seventy Six Only	1056.00

	20	Hire Charges for Cranes 80 Tonnes SlNo-86 P.No-49 KPWD SR Civil 14-15	hr	886.00	Rupees Eight Hundred and Eighty Six Only	17720.00
		Total				**149888.98**

(Rs One Lakh Forty Nine Thousand Eight Hundred and Eighty Eight Only)

I am prepared to take up the above work at 21.64 % above/below (In Words Twenty one point sixty four percent below) the rates quoted in the Schedule 'B'

Sri Lakshmi Varadaraja
Electrical Stores
Proprietor

Contractor

EXECUTIVE ENGINEER (ELECL)
Yelahanaka Zone, BBMP